

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1-26. (Canceled).

27. (New) A system for transporting produce, comprising:

a container adapted to hold the produce; and

a heat exchanger associated with the container, the heat exchanger comprising:

a housing adapted to enclose a coil assembly, the coil assembly tilted in an interior of the housing, the coil assembly partially defining in the housing on opposite sides of the coil assembly a first airflow plenum and a second airflow plenum; and

at least one air mover situated adjacent to the housing, the at least one air mover configured to draw airflow through the second airflow plenum in a first direction, the at least one air mover directing the airflow from the second airflow plenum in a second direction substantially perpendicular to the first direction.

28. (New) The system of claim 27, wherein:

the heat exchanger further comprises another housing adapted to enclose another coil assembly, the other coil assembly tilted in another interior of the other housing, the other coil assembly partially defining in the other housing on opposite sides of the other coil assembly a third airflow plenum and a fourth airflow plenum; and

the other housing is situated on an opposite side of the at least one air mover from the housing, the at least one air mover configured to draw airflow through the fourth airflow plenum in a third direction, the at least one air mover directing the airflow from the fourth airflow plenum in the second direction substantially perpendicular to the third direction.

29. (New) The system of claim 27, further comprising at least one further heat exchanger associated with the container.

Att. Docket No. 12715/3

30. (New) The system of claim 27, wherein the heat exchanger is situated in an interior of the container on a top side of the container.
31. (New) The system of claim 27, wherein the container comprises a marine container.
32. (New) The system of claim 27, wherein the container is adapted to transport fresh produce.
33. (New) The system of claim 27, wherein the system is adapted to control ripening of fresh produce.
34. (New) The system of claim 27, wherein the heat exchanger of the container is adapted to produce at least one of cool air, warm air, and dry air.
35. (New) The system of claim 27, wherein the coil assembly is oriented within the housing in an angular manner relative to the first direction.
36. (New) The system of claim 27, wherein the housing includes a top, a bottom, two sides, and two ends, one of the ends at least partially defining an inlet and the other of the ends at least partially defining an outlet.
37. (New) The system of claim 36, wherein a distance from the inlet to the outlet is between 3.3 and 3.5 times a height of one of the ends.
38. (New) The system of claim 36, wherein the inlet communicates with the first airflow plenum and the second airflow plenum communicates with the outlet.
39. (New) The system of claim 36, wherein a cross-sectional area of the first airflow plenum diminishes as the air flow is distributed from the inlet and the cross-sectional area of the second airflow plenum increases as the airflow is distributed over the coil assembly toward the outlet.

Att. Docket No. 12715/3

40. (New) A method for controlling airflow in a container, comprising:

receiving airflow from a region of the container which contains produce into a first airflow region of a heat exchanger, the first airflow region being defined by a coil assembly angularly aligned within a housing;

distributing the airflow in the first airflow region across a first portion of the coil assembly in a first direction;

passing the airflow through the coil assembly in a second direction;

distributing the airflow in a second airflow region across a second portion of the coil assembly in the first direction, the second airflow region being defined by the coil assembly; and

drawing the airflow through an air mover configured to direct the airflow from the second airflow region in a direction substantially perpendicular to the first direction, thereby returning the airflow to the region of the container which contains the produce.

41. (New) The method of claim 40, wherein:

the coil assembly includes a plurality of coil segments arranged parallel and forming a plane; and

the air mover is arranged adjacent to the coil assembly and an axis of rotation of the air mover forms an acute angle with the plane.

42. (New) The method of claim 40, wherein the container comprises a marine container.

43. (New) The method of claim 40, wherein the container is adapted to control a ripening of the produce.

44. (New) The method of claim 40, wherein the heat exchanger is adapted to be installed on a top interior side of the container.

45. (New) The method of claim 44, further comprising:

drawing the airflow upwards in the container prior to receiving the airflow into the first airflow region of the heat exchanger; and

Att. Docket No. 12715/3

directing the airflow downwards in the container after drawing the airflow through the air mover.

46. (New) The method of claim 40, further comprising heating the airflow with the coil assembly.

47. (New) The method of claim 40, further comprising cooling the airflow with the coil assembly.